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Claim Amendments:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A superconducting article, comprising:

a substrate having a length, a width and a longitudinal direction, wherein the length is at least about 100 meters, the length is greater than the width, and the longitudinal direction extends along the length; and

a layer of superconductor material overlying the substrate, said layer comprising a plurality of superconductor strips and ~~at least one~~ a plurality of superconductive ~~bridge bridges~~ coplanar with the plurality of superconductive strips, wherein (i) the plurality of superconductor strips extend along a longitudinal direction, the superconductor strips comprising a first, [[and]] a second, and a third superconductor strips extending parallel to each other along the longitudinal direction, being coextensive with each other along at least a portion of the length, and the first and second superconductor strips and the second and third superconductor strips being spaced apart from each other along the width by a first and a second gap respectively, the first and second gaps having a length extending parallel to the longitudinal direction; and (ii) ~~the at least one plurality of~~ superconductive ~~bridge bridges~~ electrically connecting at least the first ~~[[and]]~~, second, and third superconductor strips with each other and spanning the ~~[[gap]]~~ first and second gaps, the plurality of superconductive bridges being provided such that at least one superconductive bridge is present per 10 meters of length of the substrate, wherein the substrate has a dimension ratio of not less than about 10.

2. (Canceled)

3. (Original) The superconducting article of claim 1, wherein the superconductor strips are spaced apart from each other by an average gap width of at least 1 μ m.

4. (Original) The superconducting article of claim 3, wherein said average gap width is not less than about 5 μm .

5. (Original) The superconducting article of claim 3, wherein the superconductor strips are spaced apart from each other by a substantially constant gap.

6. (Original) The superconducting article of claim 1, wherein the first and the second superconductor strips have an average width of at least 5 μm .

7. (Original) The superconducting article of claim 5, wherein the first and second superconductor strips have substantially the same width.

8. (Canceled)

9. (Previously Presented) The superconducting article of claim 1, wherein the superconductor layer is formed by deposition to overlie the substrate.

10. (Previously Presented) The superconducting article of claim 1, wherein the superconductor layer is subjected photolithographic processing to form the superconductive strips.

11. (Original) The superconducting article of claim 10, wherein the photolithographic processing is effective to remove portions of the superconductor layer, leaving behind the superconductor strips.

12-17. (Canceled)

18. (Currently Amended) ~~The superconducting article of claim 1, wherein article~~
~~comprises~~ A superconducting article, comprising:
a substrate having a length, a width and a longitudinal direction, wherein the length is at
least about 100 meters, the length is greater than the width, and the longitudinal
direction extends along the length; and

a layer of superconductor material overlying the substrate, said layer comprising a plurality of superconductor strips and a plurality of superconductive bridges coplanar with the plurality of superconductive strips, wherein (i) the plurality of superconductor strips extend along a longitudinal direction, the superconductor strips comprising first, second, and third superconductor strips extending parallel to each other along the longitudinal direction, being coextensive with each other along at least a portion of the length, and the first and second superconductor strips and the second and third superconductor strips being spaced apart from each other along the width by a first and a second gap respectively, the first and second gaps having a length extending parallel to the longitudinal direction; and (ii) the plurality of superconductive bridges electrically connecting at least the first, second, and third superconductor strips with each other and spanning the first and second gaps, the plurality of superconductive bridges being provided such that at least one superconductive bridge is present per [[1m]] 1 meter of length of the substrate, wherein the substrate has a dimension ratio of not less than about 10.

19. (Canceled)

20. (Original) The superconducting article of claim 1, further comprising at least one conductive shunt layer overlying the superconductor layer.

21. (Original) The superconducting article of claim 1, further comprising a biaxially textured layer, over which the superconductor layer is provided.

22. (Original) The superconducting article of claim 21, wherein the biaxially textured layer comprises an IBAD layer.

23. (Previously Presented) The superconducting article of claim 1, wherein the layer of superconductor material is comprised of a high temperature superconductor.

24. (Original) The superconducting article of claim 23, wherein the high temperature superconductor comprises $\text{REBa}_2\text{Cu}_3\text{O}_{7-x}$, wherein RE is a rare earth element.

25. (Original) The superconducting article of claim 24, wherein the superconductor material comprises $\text{YBa}_2\text{Cu}_3\text{O}_7$.

26. (Original) The superconducting article of claim 1, wherein the substrate has a dimension ratio of not less than 10^2 .

27. (Original) The superconducting article of claim 1, wherein the substrate has a dimension ratio of not less than 10^3 .

28. (Original) The superconducting article of claim 1, wherein the article is in the form of a superconducting tape.

29. (Currently Amended) The superconducting article of claim 1, wherein the substrate, the superconductive strips, and the ~~at least one~~plurality of superconductive bridge-bridges form a superconductive tape, the article comprising a coil having a plurality of superconductive tapes.

30. (Currently Amended) The superconducting article of claim 1, wherein the article is a power transformer, the power transformer comprising at least a primary winding and a secondary winding, wherein at least one of the primary winding and secondary winding comprises a wound coil of superconductive tape, the superconductive tape comprising said substrate, said superconductor strips, and said ~~at least one~~plurality of superconductive bridge-bridges.

31. (Currently Amended) The superconducting article of claim 1, wherein the article is a rotating machine, the rotating machine comprising at least one winding, wherein the at least one winding comprises a superconductive tape formed of said substrate, said superconductor strips, and said ~~at least one~~plurality of superconductive bridge-bridges.

32. (Original) The superconducting article of claim 31, wherein the rotating machine is a power generator or motor.

33-42. (Canceled)

43. (Previously Presented) The superconducting article of claim 1, wherein the entirety of the bridge connecting the superconducting strips is superconductive.